



# ESTABLISHING AN ENGINEERING-FOCUSED COLLEGE OF MEDICINE (NewCOM)

Phyllis M. Wise, Chancellor

James C. Leonard, MD, President and CEO, Carle Health System

**Committees and Working Groups** Executive Committee • Accreditation • Clinical Training • Communications and Government • Curriculum and Admissions • Facilities • Faculty and Staff • Finance and Revenue • Governance • Research **University of Illinois at Urbana-Champaign**

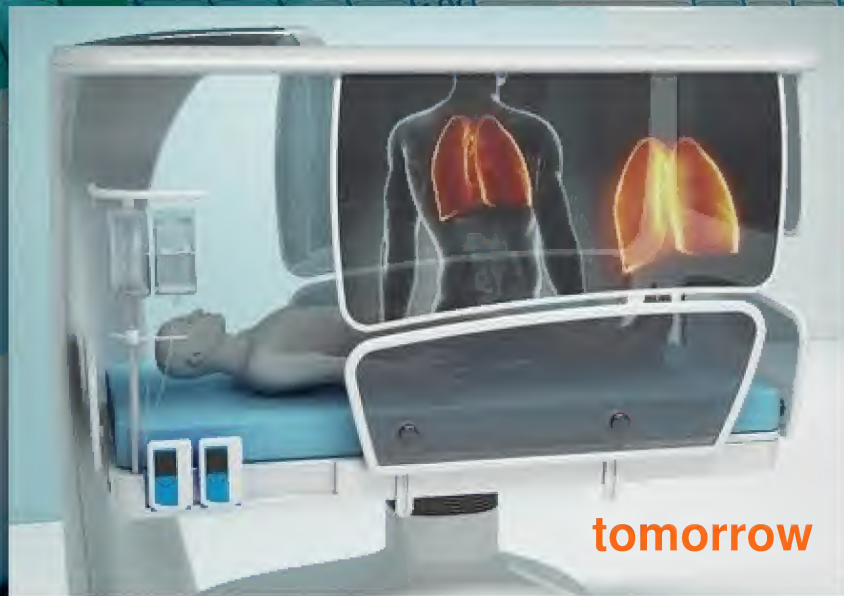
**Members** Ilesanmi Adesida • Abbas Aminmansour • Jennifer Amos • Rashid Bashir • Abbas Benmamoun • Rohit Bhargava • Steve Boppart • Jeffrey Brown • Nicholas Burbules • Roy Campbell • Neal Cohen • Jen Creasey • Mike DeLorenzo • Lisa Dhar • Jennifer Eardley • John Erdman • Barbara Fiese • Laura Frerichs • Vicky Gress • Chris Harris • Michael Insana • Tor Jensen • Robin Kaler • Hillary Klonoff-Cohen • Gay Miller • Normand Paquin • Greg Pemberton • Dan Peterson • Lisa Power • Jon Pyatt • Scott Rice • Dave Richardson • Peter Schiffer • Steve Sligar • Rick Stephens • Brad Sutton • Joyce Tolliver • Matthew Tomaszewski • Molly Tracy • Matt Wheeler • Barbara Wilson • Phyllis Wise • Jennifer Woodard

**Carle Health System Members** Patricia Adams • Ken Aronson • Joseph Barkmeier • Stephanie Beever • Mike Billimack • LJ Fallon • Matt Gibb • Scott Harding • Bob Healy • Scott Hendrie • Dennis Hesch • Mac Johnson • Lyn Jones • Jennifer Hendricks-Kaufmann • Kurt Leifheit • James Leonard • Bill Olivero • Michelle Olson • Tammy Plutz • Blair Rowitz • John Snyder





today



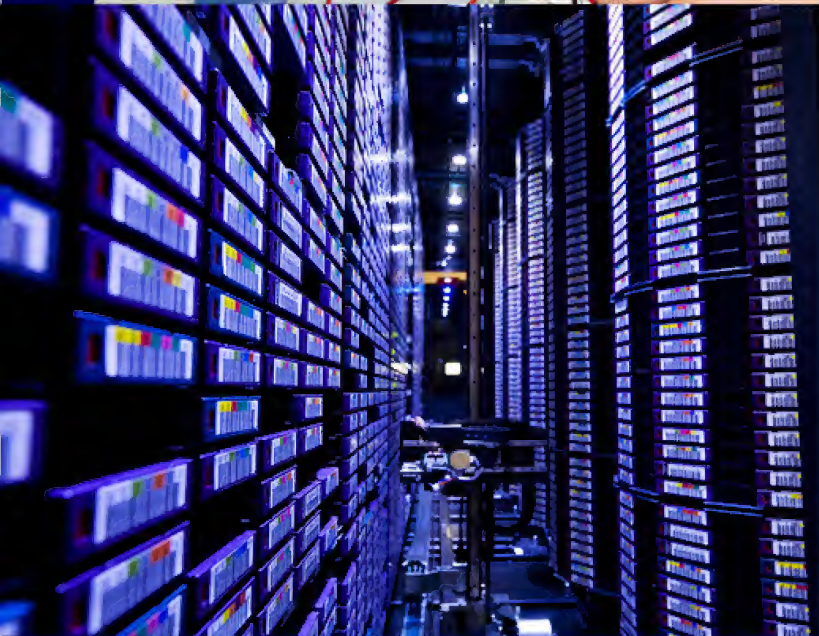
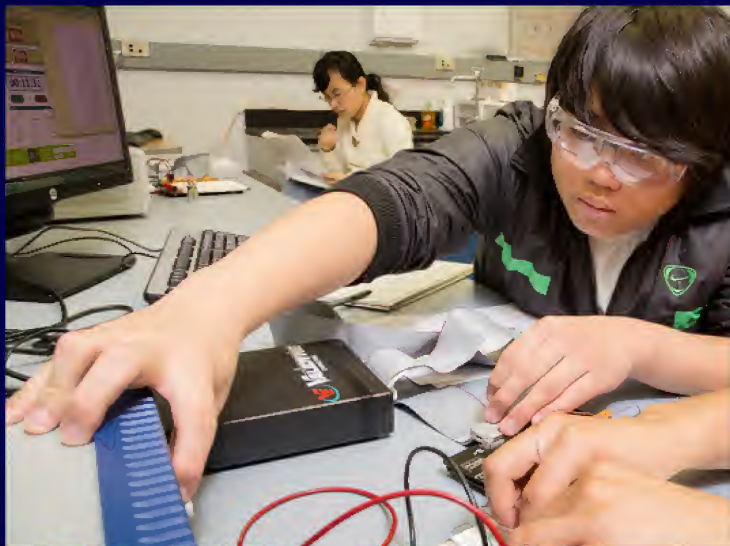
tomorrow



# Engineering the future of medicine



# Our vision





- **Better** Healthcare
- **More** People
- **Lower** Cost







# Engineering Technology Big Data

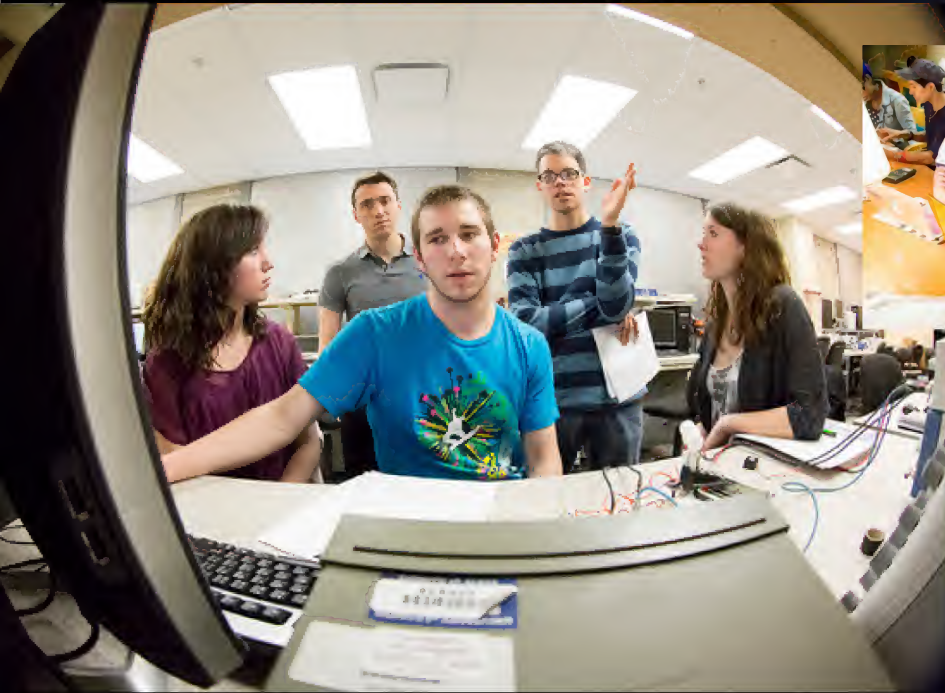




# Unique partnership



# Distinguishing characteristics





# Governance

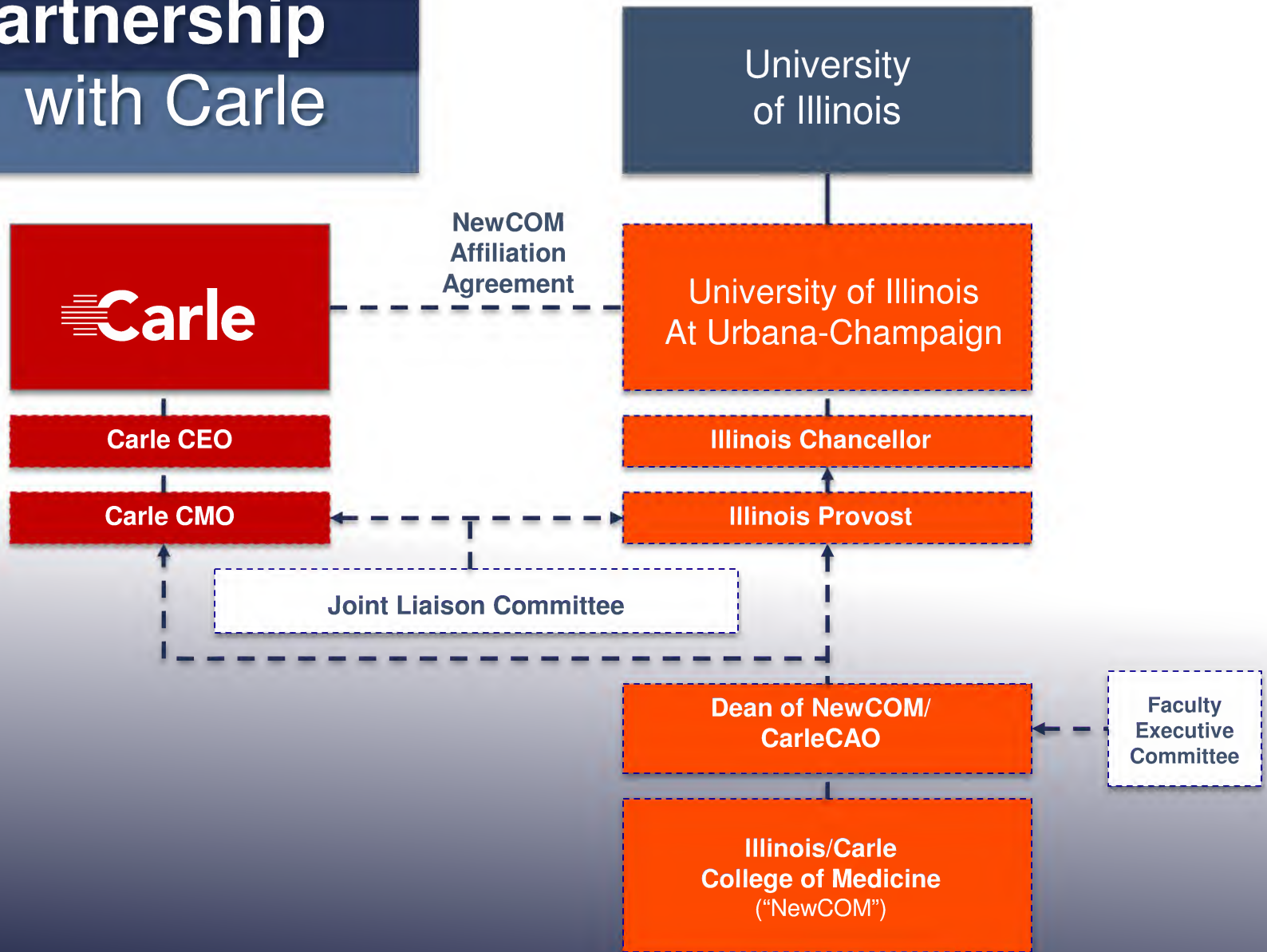
# Governance of the College



- A college of the University of Illinois at Urbana-Champaign
- Subject to control of the Board of Trustees of the University of Illinois
- Operates under University Statutes
- Separately accredited from the UIC College of Medicine



# Partnership with Carle



# The Dean of the NewCOM

- **Dual titles:** dean of the NewCOM and chief academic officer at Carle Health System
  - Reports to provost as dean
  - Reports to the Carle chief medical officer (“CMO”) chief academic officer
- **Faculty Executive Committee** will serve in an advisory capacity to the dean



# The Faculty and Staff

- **23 new core** faculty members
- **40-50 part-time physicians** (10 FTE equivalent) employed by Carle by 2024-2025
- **75.5 new faculty and staff** expected to support operations of the NewCOM by 2024-2025
- **400 physicians** employed by Carle in 70+ specialties
- **130 more physicians** to be recruited by Carle in the next 5 years

# Impact on **UIC**

- **No request for new support** from state General Revenue Funds (GRF)
- **UIC medical students** will continue to be taught at Urbana and will not be displaced
- **UIC-Illinois collaborations** have remarkable potential to grow



The background features a dark blue and green color scheme. On the right side, there is a perspective view of a grid of glowing green binary digits (0s and 1s) that recede into the distance. The rest of the background is filled with a faint, repeating pattern of binary code and a complex, web-like network structure of thin, light blue lines.

# Financial Plan

Financial  
plan  
to support  
the  
**NewCOM**

## Key Elements

- **\$100 million** over 10 years from Carle
- **\$1.5 million** additional annual contribution from Carle
- **\$135 million** endowment raised over the next 8 years
- NewCOM always shows a cumulative positive balance



### Total Start-up Revenue

- Carle Health System Contribution
- Tuition and Fees
- Research Revenue
- Clinical Practice Revenue
- Philanthropy and other income

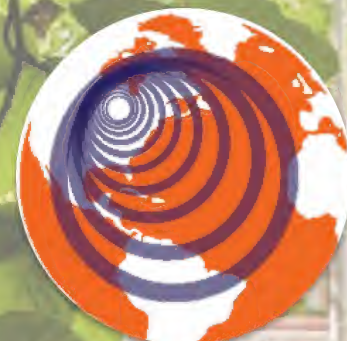
**\$44.8 million**

### Total Start-up Costs

- Salaries/Wages/Benefits
- Faculty Startup Packages
- Sponsored Research Expenditures
- Facilities/equipment
- General Expenses

**\$37.4 million**

# Economic Development

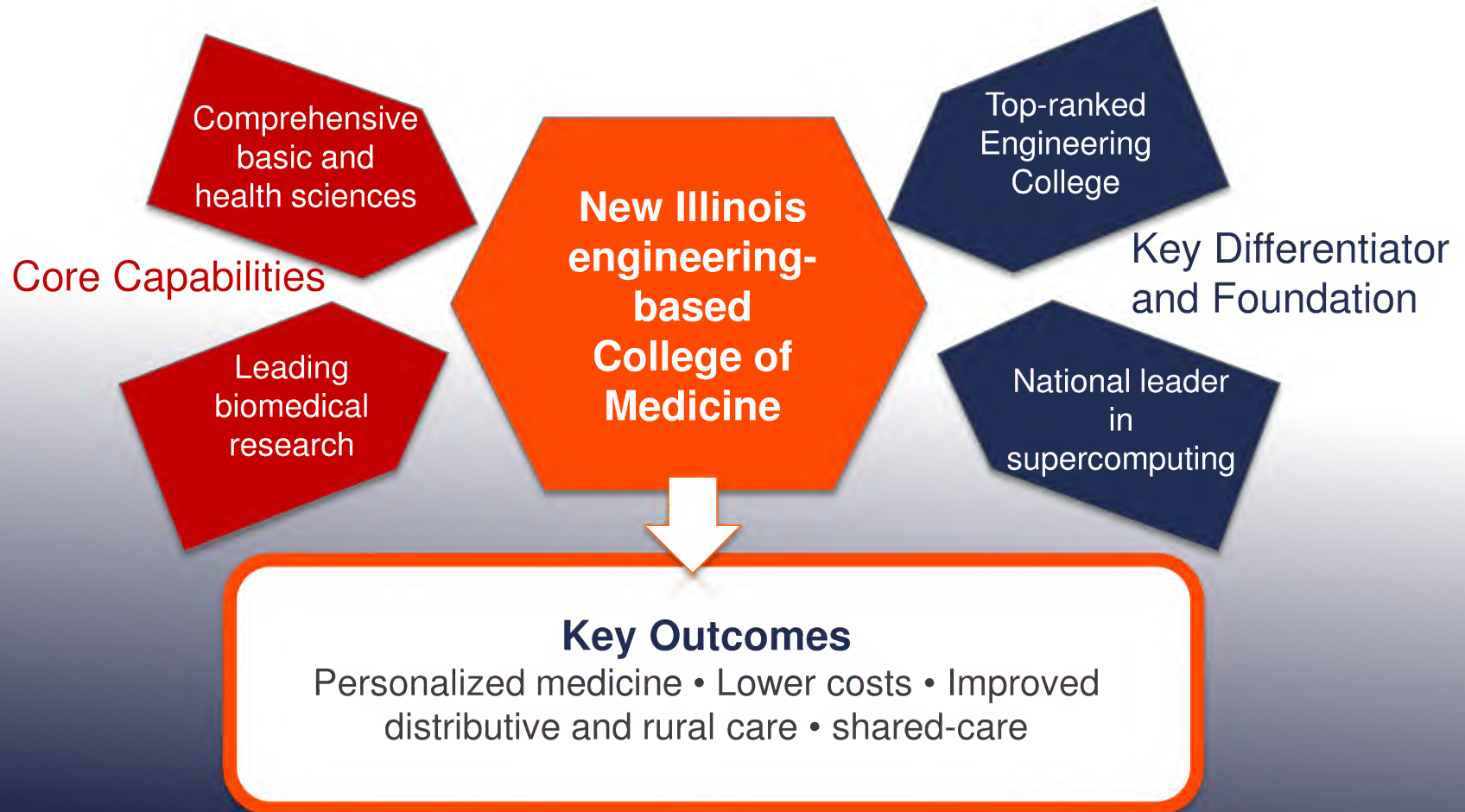




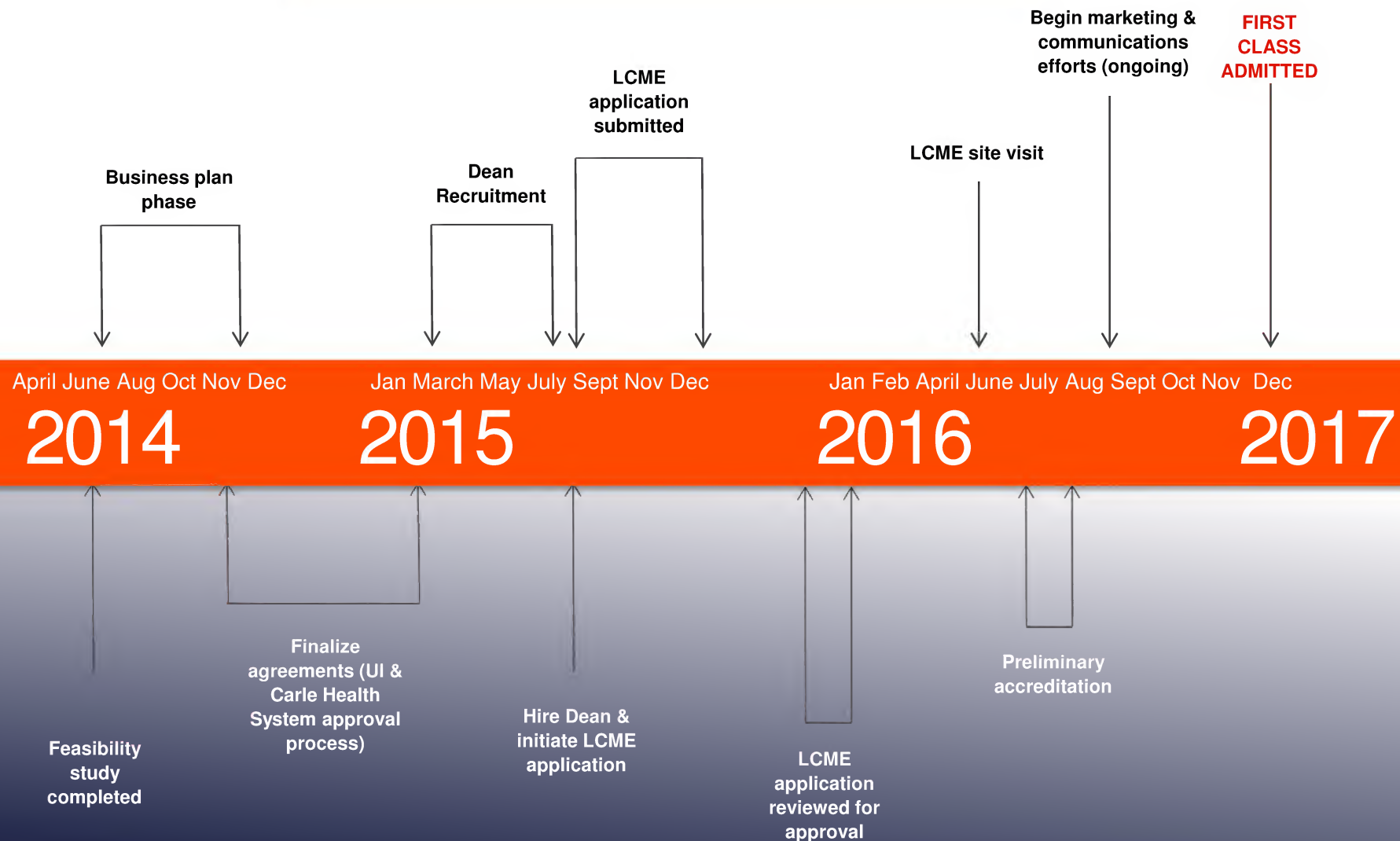
# The Curriculum: **Engineering Inspired Medicine**

## **New Model of Medical Education**

Based on engineering principles • data synthesis and new technology training • doctors as engineers and problem-solvers



# Timeline



Carle



# **The College of Medicine**

**Carle Health System**

**University of Illinois  
at Urbana-Champaign**